

APPENDIX C

Paleontological Record Search

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SAN DIEGO NATURAL HISTORY MUSEUM
BALBOA PARK - SAN DIEGO SOCIETY OF NATURAL HISTORY - ESTABLISHED 1874

May 21, 2007

Dr. Travis Smith
Dudek and Associates
605 Third Street
Encinitas, CA 92024

RE: Paleontological record search: Las Colinas Detention Facility, City of Santee, California.

Dear Dr. Smith:

This letter report presents the results of a record search conducted for the proposed Las Colinas Detention Facility, City of Santee, San Diego County, California (Figure 1). The project site is located west of State Route 67, and northwest of the intersection of Mission Gorge Road and Magnolia Avenue. The geologic deposits underlying the project site have been mapped by Tan (2002) as "Late Pleistocene alluvial deposits; moderately consolidated, poorly-sorted flood plain deposits consisting of gravelly, sandy silt, and clay" (Qoa). These older floodplain deposits of the Pleistocene San Diego River have been dissected to the north by the active channel of the modern San Diego River. The San Diego Natural History Museum has no recorded localities within a one mile radius of the project area (Figure 1). However, 3.5 miles south southeast of the project site is a recorded paleontological locality in the older floodplain deposits. This locality (SDSNH Locality 3157) produced a fragmentary tusk of a Pleistocene proboscidean (mastodon or mammoth). The fossil was discovered at a depth of 3.5 feet below ground surface during excavation for the civic auditorium in downtown El Cajon. This occurrence highlights the paleontological potential of the Las Colinas Detention Facility and indicates the need for paleontological mitigation during any deep excavations (>5 feet) at the project site.

If you have any questions concerning my findings please feel free to contact me at 619-255-0320 or mcarrino@sdnhm.org.

Sincerely,

Maggie Carrino
Lab Manager
Department of Paleontology

Deméré, T. A. and S. L. Walsh, 1993. Paleontological Resources, County of San Diego. Prepared for the San Diego Planning Commission: 1-68.

Tan, S. S., 2002. Geologic Map of the El Cajon 7.5' Quadrangle San Diego County, California: a digital database. California Geological Survey. Available online at:
ftp://ftp.consrv.ca.gov/pub/dmg/rgmp/Prelim_geo_pdf/elcajon_layout2_highres.pdf

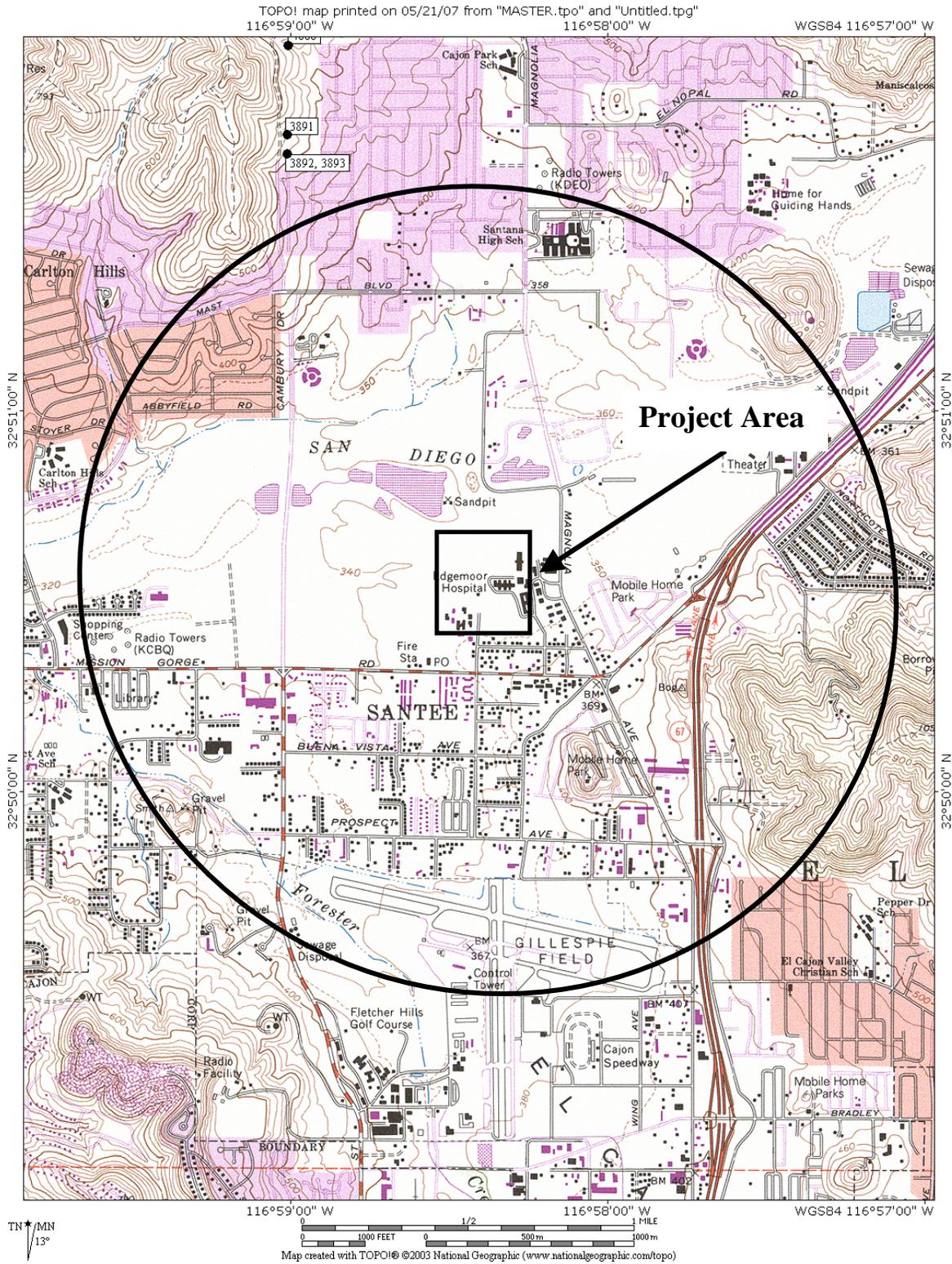


Figure 1. Index map of the Las Colinas Detention Facility, City of Santee. The San Diego Natural History Museum has no recorded fossil localities within a one mile radius of the project site. (Base map El Cajon, 7.5 minute quadrangle of the U.S. Geological Survey)